

ECO 50 VACUUM EXCAVATOR



CAM-OVER REAR DOOR. Provides a 360-degree positive seal, even under reverse pressure without additional clamping requirements. The highly reliable cam-over door has no in-tank moving parts, so all maintenance is external.



THREE-STAGE CYCLONIC FILTRATION. Engineered to help prolong filter and blower life, the system is suitable for wet and dry applications. The cyclones use a tuned vortex system in which the outer vortex spiral forces small particles to fall into a separate canister. The filtered stream then passes up through the inner cyclone tube and is carried to the final poly filter.



IN-TANK WASHDOWN. Delivers a high-pressure water spray to the tank interior helping to simultaneously dump material and clean the inside of the tank. Minimizes cleanup time and helps remove difficult debris.



ECONOMICAL OPERATION. Delivers fuel savings and has minimized maintenance costs compared to truck engine services. Offers the versatility to mount on new or used truck chassis or on on- or off-road crawler carriers.



HYDRAULIC BOOM. Exclusive telescoping boom maintains hose length during extension and incorporates a remote-controlled hydraulic valve for vacuum shutoff. Available with manual or hydraulic rotation.



AUTO BELT TENSIONERS. Keeps proper belt tensions at all times and helps extend belt life.

ECO 50 VACUUM EXCAVATOR

DIMENSIONS - SKID	ECO50-500	ECO50-800
Length	175 in (444.5 cm)	203 in (516.6 cm)
Width	97 in (246.4 cm)	97 in (246.4 cm)
Height	66 in (167.6 cm)	68 in (167.6 cm)
Empty weight	5,450 lb (2,472.1 kg)	6,085 lb (2,760.1 kg)
ENGINE		
Make and model	Kubota Tier 4 Final	Kubota Tier 4 Final
Horsepower	49 hp (37 kW)	49 hp (37 kW)
Fuel tank capacity	22 gal (83.3 L)	22 gal (83.3 L)
Enclosure	Yes	Yes
WATER TANK		
Water tank capacity	250 gal (946 L)	410 gal (1,552 L)
Number of tanks	2	2
High pressure pump flow rate	5.6 gpm (21.2 L/min)	5.6 gpm (21.2 L/min)
High pressure pump	3,000 psi (1.4 bar)	3,000 psi (1.4 bar)
High pressure pump hose length	50 ft (15 m)	50 ft (15 m)
Low water shutoff	Electric	Electric
SPOIL TANK		
Spoil tank capacity	500 gal (1,892.7 L)	800 gal (3,028.3 L)
Door type	Cam-over hydraulic	Cam-over hydraulic
Tank lift type	Dual cylinder	Dual cylinder
VACUUM		
Type of filters	2 micron washable	2 micron washable
Hose length	(2) 15 ft (4.6 m)	(2) 15 ft (4.6 m)
Hose width	4 in (10.2 cm)	4 in (10.2 cm)
Vacuum	1,025 cfm (1741 m ³ /hr)	1,025 cfm (1741 m ³ /hr)
Vacuum blower type	PD blower	PD blower
Vacuum mercury	15 in hg (.5 bar)	15 in hg (.5 bar)
CONTROL PANEL		
Controls	Curbside	Curbside
Gauges	Analog	Analog
BOOM		
Weight	1,200 lb (544.3 kg)	1,200 lb (544.3 kg)
Reach	14 ft (4.3 m)	14 ft (4.3 m)
Movement	270 degrees on 14-in (5.5 cm) turret bearings	270 degrees on 14-ft (4.3 m) turret bearings
Remote control	Wireless	Wireless
OPTIONS (FOR ALL)		

- Reverse flow
- Hot box water heater
- Jetter
- Arrow board
- Boom (manual or hydraulic rotation)

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